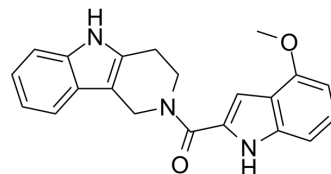


## NPD10084

Cat. No.:	HY-148615
CAS No.:	1040706-91-9
Molecular Formula:	C <sub>21</sub> H <sub>19</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	345.39
Target:	Pyruvate Kinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	NPD10084 is a pyruvate kinase PKM2 inhibitor that inhibits non-glycolytic signaling in cancer cells. NPD10084 disrupts the interaction between PKM2 and $\beta$ -catenin or STAT3 and inhibits downstream signaling. NPD10084 has antiproliferative activity against colorectal cancer cells in vitro and in vivo <sup>[1]</sup> .
IC <sub>50</sub> & Target	Pyruvate kinase muscle isoform 2 (PKM2) <sup>[1]</sup>

### REFERENCES

[1]. Nagasawa I, et al. Identification of a Small Compound Targeting PKM2-Regulated Signaling Using 2D Gel Electrophoresis-Based Proteome-wide CETSA. Cell Chem Biol. 2020 Feb 20;27(2):186-196.e4.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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